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## UTILITY PATENT APPLICATION TRANSMITTAL

1. LX

2. **X** 

3.

**ASSIA 20.503** Attorney Docket No. O. ZOHAR First Inventor DISTRIBUTED INDEPENDENT CACHE MEMORY EV332273896US

Express Mail Label No. (Only for new nonprovisional applications under 37 CFR 1.53(b))

| (Only for new nonprovisional applications under 37 CFR 1.53(b))                                                                                    | Assistant Commissioner for Patents                                                                                                              |  |  |  |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|
|                                                                                                                                                    | Assistant Commissioner for Patents Box Patent Application Washington, DC 20231                                                                  |  |  |  |  |  |  |
| APPLICATION ELEMENTS                                                                                                                               | ADDRESS TO: Box Patent Application Washington, DC 20231                                                                                         |  |  |  |  |  |  |
| A MPEP chapter 600 concerning utility patent application contents.                                                                                 | CD P in duplicate large table or                                                                                                                |  |  |  |  |  |  |
| To a Transmittal Form (e.g., PTU/SD/17)                                                                                                            | 7. CD-ROM of CD-R in deplicated the Computer Program (Appendix)                                                                                 |  |  |  |  |  |  |
| (Submit an original and a duplicate for fee processing)                                                                                            | Nucleotide and/or Amino Acid Sequence Submission                                                                                                |  |  |  |  |  |  |
| Applicant claims small entity status.                                                                                                              | (if applicable, all necessary)                                                                                                                  |  |  |  |  |  |  |
| See 37 CFR 1.27.                                                                                                                                   | Computer Readable Form (CRF)                                                                                                                    |  |  |  |  |  |  |
| Specification (Note: 1 age of the second expression)                                                                                               | b. Specification Sequence Listing on:                                                                                                           |  |  |  |  |  |  |
| Descriptive title of the invention                                                                                                                 | i. CD-ROM or CD-R (2 copies); or                                                                                                                |  |  |  |  |  |  |
| - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D                                                                | i. CD-ROM of CD-1\(\rac{12}{42}\) CD-ROM                                                                                                        |  |  |  |  |  |  |
| n-ference to conjunce listing, a topic,                                                                                                            | ii. paper                                                                                                                                       |  |  |  |  |  |  |
| or a computer program listing appendix                                                                                                             | c. Statements verifying identity of above copies                                                                                                |  |  |  |  |  |  |
| - Background of the Invention                                                                                                                      | ACCOMPANYING APPLICATION PARTS                                                                                                                  |  |  |  |  |  |  |
| Brief Summary of the Invention     Brief Description of the Drawings (if filed)                                                                    | Cover sheet & document(s))                                                                                                                      |  |  |  |  |  |  |
| - Detailed Description                                                                                                                             | 27 CER 3 73(b) Statement Power of                                                                                                               |  |  |  |  |  |  |
| - Claim(s)                                                                                                                                         | 10. (when there is an assignee) Attorney                                                                                                        |  |  |  |  |  |  |
| - Abstract of the Disclosure                                                                                                                       | To a tigh Translation Document (if applicable)                                                                                                  |  |  |  |  |  |  |
| Proving(s) (35 U.S.C. 113) [Total Sheets 5]                                                                                                        | Copies of IDC                                                                                                                                   |  |  |  |  |  |  |
| 4. A Diawing(s) (ob electors)                                                                                                                      | 12. Information Disclosure Statement (IDS)/PTO-1449                                                                                             |  |  |  |  |  |  |
| 5. Oath or Declaration [Total Pages 2]                                                                                                             | Statement (100)// 10 1110                                                                                                                       |  |  |  |  |  |  |
| Y to a sected (original or CODV)                                                                                                                   | Detum Receipt Postcard (MPEP 503)                                                                                                               |  |  |  |  |  |  |
|                                                                                                                                                    | 14. A (Should be specifically iterritized)                                                                                                      |  |  |  |  |  |  |
| b (for continuation/divisional with box 10 confinuation/divisional with box 10 confinuation                                                        | Certified Copy of Priority Document(s)                                                                                                          |  |  |  |  |  |  |
| DELETION OF INVENTOR(S)                                                                                                                            | Continue under 35 U.S.C. 144                                                                                                                    |  |  |  |  |  |  |
| i. Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR                                                       | 16. Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35                                            |  |  |  |  |  |  |
| named in the prior application, 355 51 51 10 11 11 11 11 11 11 11 11 11 11 11 11                                                                   | or its equivalent.                                                                                                                              |  |  |  |  |  |  |
|                                                                                                                                                    |                                                                                                                                                 |  |  |  |  |  |  |
| 6. Application Data Sheet. See 37 CFR 1.76                                                                                                         | 17. Other:                                                                                                                                      |  |  |  |  |  |  |
| Application Data Sheet. See 37 CFR 1.76:  18. If a CONTINUING APPLICATION, check appropriate box, and support of the Part Sheet under 37 CFR 1.76: | ply the requisite information below and in a preliminary amendment,                                                                             |  |  |  |  |  |  |
| 18. If a CONTINUING APPLICATION, CReck appropriate 2011                                                                                            |                                                                                                                                                 |  |  |  |  |  |  |
| or in an Application Data Sheet Under or Continuation-in-part (CIP)                                                                                | of prior application No.:                                                                                                                       |  |  |  |  |  |  |
| Continuation Division                                                                                                                              | Group Art Unit:                                                                                                                                 |  |  |  |  |  |  |
| Prior application information: Examiner ADDS and The entire disclosure of t                                                                        | the prior application, from which an oath or declaration is supplied the prior application, from which and is hereby incorporated by reference. |  |  |  |  |  |  |
| Prior application information: Examiner                                                                                                            |                                                                                                                                                 |  |  |  |  |  |  |
| Box 5b, is considered a partial upon when a portion has been inadvertently offices from the relief upon when a                                     |                                                                                                                                                 |  |  |  |  |  |  |
| 15. COM (20)                                                                                                                                       |                                                                                                                                                 |  |  |  |  |  |  |
| 02630                                                                                                                                              | 4 or Correspondence address below                                                                                                               |  |  |  |  |  |  |
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Name Zip Code <u>Address</u> State City Fax Telephone Country Registration No. (Attorney/Agent) 39,432 Harris A. Wolin 07/15/2003 Name (Print/Type) Date Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on Duruen nour Statement: this form is estimated to take 0.2 nours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.



PTO/SB/05 (11-00) Approved for use through 10/31/2002. OMB 0651-0032

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| UTILITY            |
|--------------------|
| PATENT APPLICATION |
| TRANSMITTAL        |

| Attorney Docket No. First Inventor |                  | ASSIA 20.503<br>O. ZOHAR |  |  |  |  |
|------------------------------------|------------------|--------------------------|--|--|--|--|
|                                    |                  |                          |  |  |  |  |
|                                    | . EV222272906LIS |                          |  |  |  |  |

| (Only for new nonprovisional applications under 37 CFR 1.53(b))                                                                                                    | Express Mail Label No. EV332273896US                                                       |  |  |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--|--|--|--|--|--|
| APPLICATION ELEMENTS                                                                                                                                               | ADDRESS TO: Assistant Commissioner for Patents Box Patent Application                      |  |  |  |  |  |  |
| See MPEP chapter 600 concerning utility patent application contents.                                                                                               | Washington, DC 20231                                                                       |  |  |  |  |  |  |
| 1.                                                                                                                                                                 | 7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)                 |  |  |  |  |  |  |
| Applicant claims small entity status.                                                                                                                              | Nucleotide and/or Amino Acid Sequence Submission                                           |  |  |  |  |  |  |
| See 37 CFR 1.27.  Specification [Total Pages 40]                                                                                                                   | (if applicable, all necessary)  Computer Readable Form (CRF)                               |  |  |  |  |  |  |
| 3. Specification [Total rages 40]  (preferred arrangement set forth below)  - Descriptive title of the invention                                                   | b. Specification Sequence Listing on:                                                      |  |  |  |  |  |  |
| - Cross Reference to Related Applications                                                                                                                          | i. CD-ROM or CD-R (2 copies); or                                                           |  |  |  |  |  |  |
| <ul> <li>Statement Regarding Fed sponsored R &amp; D</li> <li>Reference to sequence listing, a table,</li> </ul>                                                   | ii. paper                                                                                  |  |  |  |  |  |  |
| or a computer program listing appendix - Background of the Invention                                                                                               | c. Statements verifying identity of above copies                                           |  |  |  |  |  |  |
| Brief Summary of the Invention     Brief Description of the Drawings (if filed)                                                                                    | ACCOMPANYING APPLICATION PARTS                                                             |  |  |  |  |  |  |
| - Detailed Description                                                                                                                                             | 9. X Assignment Papers (cover sheet & document(s))                                         |  |  |  |  |  |  |
| <ul> <li>Claim(s)</li> <li>Abstract of the Disclosure</li> </ul>                                                                                                   | 10. 37 CFR 3.73(b) Statement (when there is an assignee) Power of Attorney                 |  |  |  |  |  |  |
| Drawing(s) (35 U.S.C. 113)   Total Sheets 5                                                                                                                        | 11. English Translation Document (if applicable)                                           |  |  |  |  |  |  |
| 4. A Diawing(s) (55 5.5.5. 775) [ retail shoots 2                                                                                                                  | 12. Information Disclosure Copies of IDS                                                   |  |  |  |  |  |  |
| y day of Decidential ( )                                                                                                                                           | Statement (IDS)/PTO-1449 Citations  13. Preliminary Amendment                              |  |  |  |  |  |  |
| a. Newly executed (original or copy) Copy from a prior application (37 CFR 1.63 (d)) (for continuation/divisional with Box 18 completed)                           | 14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)                   |  |  |  |  |  |  |
| i. DELETION OF INVENTOR(S)                                                                                                                                         | 15. Certified Copy of Priority Document(s) (if foreign priority is claimed)                |  |  |  |  |  |  |
| Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR                                                                          | Peguest and Certification under 35 U.S.C. 122                                              |  |  |  |  |  |  |
| 1.63(d)(2) and 1.33(b).                                                                                                                                            | (b)(2)(B)(i). Applicant must attach form PTO/SB/35                                         |  |  |  |  |  |  |
| 6. Application Data Sheet. See 37 CFR 1.76                                                                                                                         | or its equivalent.                                                                         |  |  |  |  |  |  |
| 18. If a CONTINUING APPLICATION, check appropriate box, and sup                                                                                                    |                                                                                            |  |  |  |  |  |  |
| or in an Application Data Sheet under 37 CFR 1.76:                                                                                                                 |                                                                                            |  |  |  |  |  |  |
| Continuation Divisional Continuation-in-part (CIP)                                                                                                                 | of prior application No.:                                                                  |  |  |  |  |  |  |
| Prior application information: Examiner For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of t                                                       | Group Art Unit:  he prior application, from which an oath or declaration is supplied under |  |  |  |  |  |  |
| Box 5b, is considered a part of the disclosure of the accompanying contin<br>The incorporation <u>can only</u> be relied upon when a portion has been inadve       | uation or divisional application and is hereby incorporated by reference.                  |  |  |  |  |  |  |
| 19. CORRESPOND                                                                                                                                                     |                                                                                            |  |  |  |  |  |  |
| Customer Number or Bar Code Label  (Insert Customer Number or Bar Code Label  (Insert Customer Number or Bar Code Label  (Insert Customer Number or Bar Code Label |                                                                                            |  |  |  |  |  |  |
| Name                                                                                                                                                               |                                                                                            |  |  |  |  |  |  |
|                                                                                                                                                                    |                                                                                            |  |  |  |  |  |  |
| Address                                                                                                                                                            |                                                                                            |  |  |  |  |  |  |
| City                                                                                                                                                               | State Zip Code                                                                             |  |  |  |  |  |  |
| Country                                                                                                                                                            | Jephone Fax                                                                                |  |  |  |  |  |  |
| Name (Print/Type) Harris A. Wolin                                                                                                                                  | Registration No. (Attorney/Agent) 39,432                                                   |  |  |  |  |  |  |
| Signature                                                                                                                                                          | Date 07/15/2003                                                                            |  |  |  |  |  |  |
|                                                                                                                                                                    | in a sill was depending upon the goods of the individual case. Any comments                |  |  |  |  |  |  |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

C mplete if Known

PTO/SB/17 (01-03)

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| FEE IRANSIMITIAL                                                                                  |                     |                                                                     | Application Number   |                 |                                    |                                                                                |                |                   |  |
|---------------------------------------------------------------------------------------------------|---------------------|---------------------------------------------------------------------|----------------------|-----------------|------------------------------------|--------------------------------------------------------------------------------|----------------|-------------------|--|
| for EV 2002                                                                                       |                     |                                                                     | Filing Date          |                 |                                    |                                                                                |                |                   |  |
| for FY 2003  Patent fees are subject to annual revision.                                          |                     |                                                                     | First Named Inventor |                 |                                    | O. ZOHAR                                                                       |                |                   |  |
|                                                                                                   | $\dashv$            | Examiner Name                                                       |                      |                 |                                    |                                                                                |                |                   |  |
| Applicant claims small entity status. See 37 CFR 1.27                                             |                     | Art Ur                                                              | it                   |                 |                                    |                                                                                |                |                   |  |
| TOTAL AMOUNT OF PAYMENT (\$) 835.00                                                               |                     | Attorney Docket No. ASSIA 20                                        |                      |                 |                                    |                                                                                | 20.503         | <u> </u>          |  |
| METHOD OF PAYMENT (check all that apply)                                                          |                     |                                                                     |                      | FEE             | CALCULAT                           | ION (cont                                                                      | inued)         |                   |  |
| Check Credit card Money Other None                                                                |                     | 3. ADDITIONAL FEES                                                  |                      |                 |                                    |                                                                                |                |                   |  |
| Deposit Account:                                                                                  | <u>Large</u><br>Fee | rige Entity   Small Entity<br>Fee Fee Fee Fee Fee Fee Description _ |                      |                 |                                    |                                                                                |                |                   |  |
| Deposit<br>Account 50-1290                                                                        | Code                |                                                                     | Code                 | (\$)            |                                    |                                                                                |                | Fee Paid          |  |
| Number                                                                                            | 1051                |                                                                     | 2051                 | _               | •                                  | arge - late filing fee or oath                                                 |                |                   |  |
| Deposit Account Katten Muchin Zavis Rosenman                                                      | 1052                | 50                                                                  | 2052                 |                 | urcharge - late<br>over sheet      |                                                                                |                |                   |  |
| Name The Commissioner is authorized to: (check all that apply)                                    | 1053                |                                                                     | 1053                 | _               | -                                  | inglish specification                                                          |                |                   |  |
| Charge fee(s) indicated below Credit any overpayments                                             | 1                   | 2,520                                                               | 1812                 | _,              | •                                  | ing a request for ex parte reexamination<br>esting publication of SIR prior to |                |                   |  |
| Charge any additional fee(s) during the pendency of this application                              | 1804                | 920*                                                                | 1804                 |                 | requesting publication             | cation of SIR                                                                  | prior to       |                   |  |
| Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account. | 1805                | 1,840*                                                              | 1805                 |                 | Requesting publ<br>Examiner action | ication of SIR                                                                 | R after        |                   |  |
| FEE CALCULATION                                                                                   | 1251                | 110                                                                 | 2251                 | 55 E            | Extension for re                   | ply within first                                                               | t month        |                   |  |
| 1. BASIC FILING FEE                                                                               | 1252                | 410                                                                 | 2252                 | 205 E           | Extension for re                   | ply within sec                                                                 | ond month      |                   |  |
| Large Entity Small Entity                                                                         | 1253                | 930                                                                 | 2253                 | 465 E           | Extension for re                   | ply within thir                                                                | d month        |                   |  |
| F <u>ee Fee Fee Fee Description</u> Fee Paid                                                      | 1254                | 1,450                                                               | 2254                 | 725 E           | Extension for re                   | ply within fou                                                                 | rth month      |                   |  |
| 1001 750 2001 375 Utility filing fee                                                              | 1255                | 1,970                                                               | 2255                 | 985 E           | Extension for re                   | ply within fifth                                                               | n month        |                   |  |
| 1002 330 2002 165 Design filing fee                                                               | 1401                | 320                                                                 | 2401                 | 160             | Notice of Appea                    | 1                                                                              |                | <u> </u>          |  |
| 1003 520 2003 260 Plant filing fee                                                                | 1402                | 320                                                                 | 2402                 | 160 F           | Filing a brief in s                | g a brief in support of an appeal                                              |                |                   |  |
| 1004 750 2004 375 Reissue filing fee                                                              | 1403                | 280                                                                 | 2403                 | 140 F           | Request for oral                   | hearing                                                                        |                | <u></u>           |  |
| 1005 160 2005 80 Provisional filing fee                                                           | 1451                | 1,510                                                               | 1451                 | 1,510 F         | Petition to institu                | ıte a public u                                                                 | se proceeding  |                   |  |
| SUBTOTAL (1) (\$) 375                                                                             | 1452                | 110                                                                 | 2452                 | 55 F            | Petition to revive                 | e - unavoidab                                                                  | le             |                   |  |
|                                                                                                   | 1453                | 1,300                                                               | 2453                 | 650             | Petition to revive                 | e - unintentio                                                                 | nal            |                   |  |
| 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE                                                       | 1501                | 1,300                                                               | 2501                 | 650 l           | Utility issue fee                  | (or reissue)                                                                   |                |                   |  |
| Extra Claims below Fee Paid  Total Claims 62 -20** = 42 x 9.00 = 378.00                           | 1502                |                                                                     | 2502                 |                 | Design issue fe                    | е                                                                              |                | <u> </u>          |  |
| Independent                                                                                       | 1503                |                                                                     | 2503                 |                 | Plant issue fee                    |                                                                                |                | $\vdash$          |  |
| Independent 4 - 3** = 1 X 42.00 = 42.00 Multiple Dependent                                        | 1460                |                                                                     | 1460                 |                 | Petitions to the                   |                                                                                |                |                   |  |
|                                                                                                   | 1807                |                                                                     | 1807                 |                 | Processing fee                     |                                                                                |                | <del></del>       |  |
| Large Entity   Small Entity Fee Fee Fee Fee Fee Description                                       | 1806                | 180                                                                 | 1806                 |                 | Submission of Ir                   |                                                                                |                | <del>├──</del> ┤┃ |  |
| Code (\$) Code (\$)                                                                               | 8021                | 40                                                                  | 8021                 | 40 <sup>1</sup> | Recording each<br>property (times  | number of pr                                                                   | operties)      | 40.00             |  |
| 1202 18 2202 9 Claims in excess of 20<br>1201 84 2201 42 Independent claims in excess of 3        | 1809                | 750                                                                 | 2809                 |                 | Filing a submiss<br>(37 CFR 1.129( |                                                                                | I rejection    |                   |  |
| 1203 280 2203 140 Multiple dependent claim, if not paid                                           | 1810                | 750                                                                 | 2810                 | 375             | For each addition                  | onal invention                                                                 |                |                   |  |
| 1204 84 2204 42 ** Reissue independent claims over original patent                                | 180                 | 1 750                                                               | 2801                 |                 | examined (37 C<br>Request for Co   |                                                                                | nination (RCE) |                   |  |
| 1205 18 2205 9 ** Reissue claims in excess of 20                                                  | 180                 |                                                                     | 1802                 |                 | Request for exp                    | pedited exam                                                                   |                |                   |  |
| and over original patent                                                                          | Othe                | of a design application  Other fee (specify)                        |                      |                 |                                    |                                                                                |                |                   |  |
| SUBTOTAL (2) (\$) 420.00 **or number previously paid, if greater; For Reissues, see above         |                     | Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)                  |                      |                 |                                    | (3) (\$)                                                                       | 40.00          |                   |  |
| SUBMITTED BY (Complete (if applicable)                                                            |                     |                                                                     |                      |                 |                                    |                                                                                |                |                   |  |
| Name (Print/Type) Harris A. Wolin                                                                 |                     | Registra                                                            |                      | D. :            | 39,432                             | Telephone                                                                      | (212) 94       | 0-8800            |  |
| · Co                                                                                              |                     | (Attorney/Agent)                                                    |                      |                 |                                    |                                                                                | 07/15          | /2003             |  |
| Signature                                                                                         |                     |                                                                     |                      |                 |                                    |                                                                                |                |                   |  |

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.